Inventor: Alex Simmons
Docket No.: 60001.0311US11/MS302493.1
Title: Writing Guide for a Free-Form Document Editor
Serial No.: 10/780,366

Sheet 1 of 29

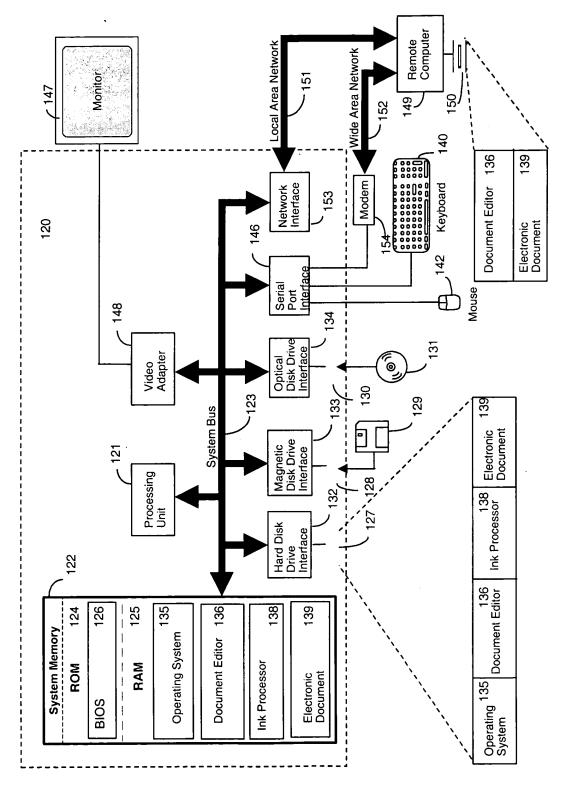
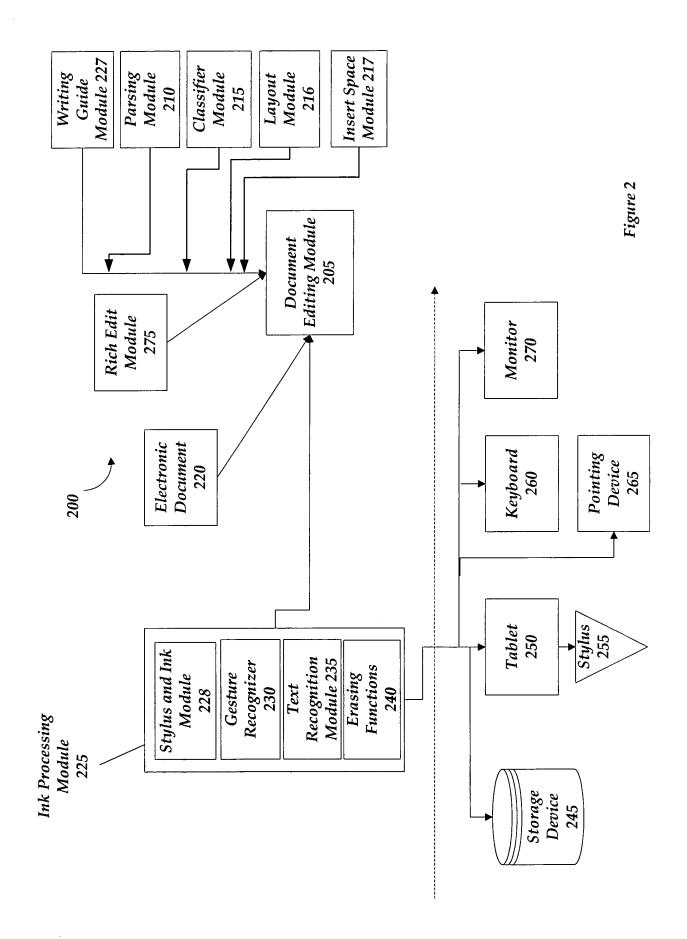


Figure 1

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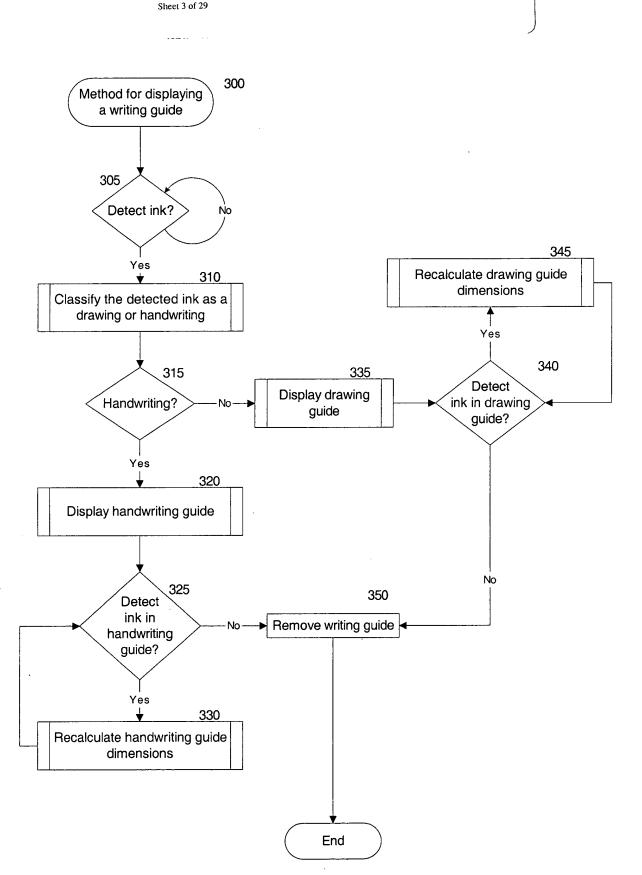
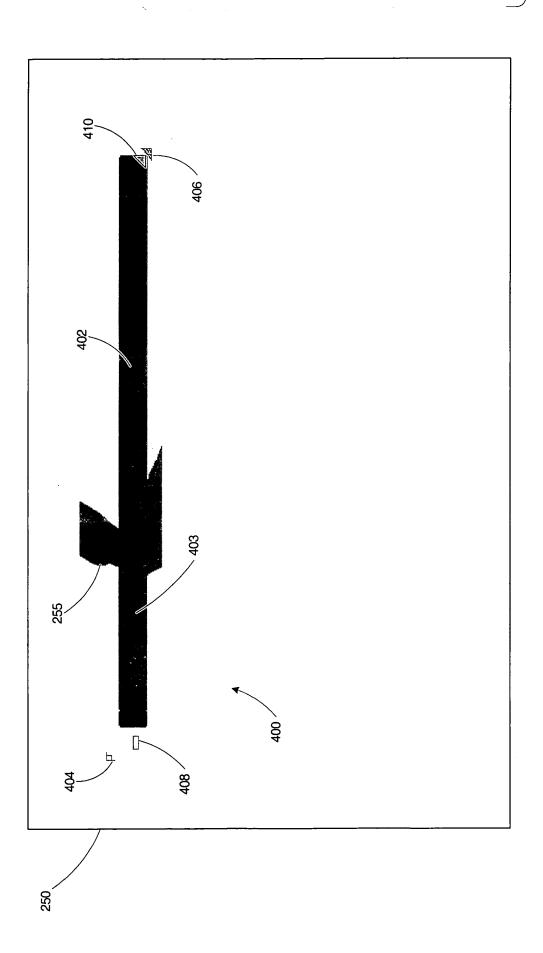


Figure 3

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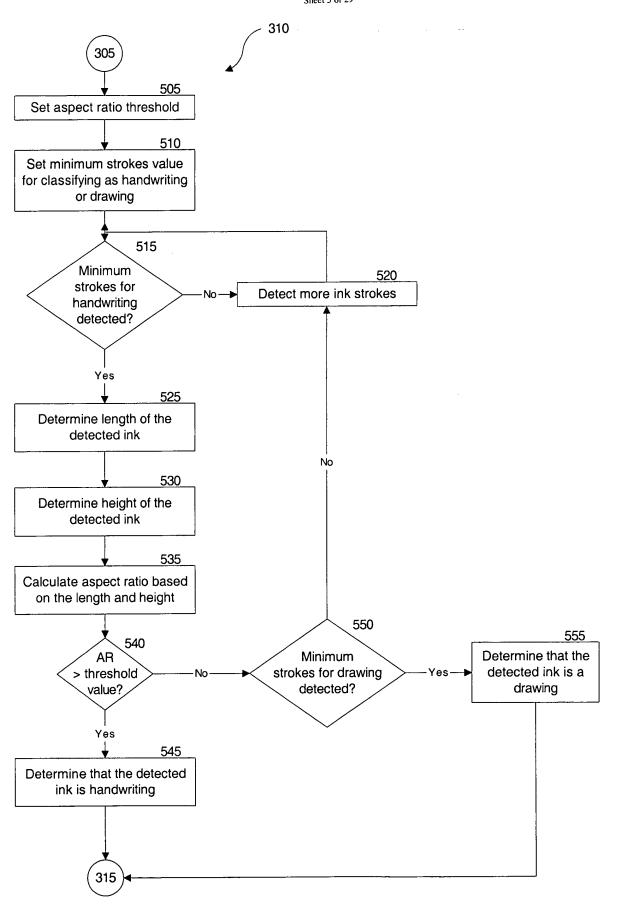
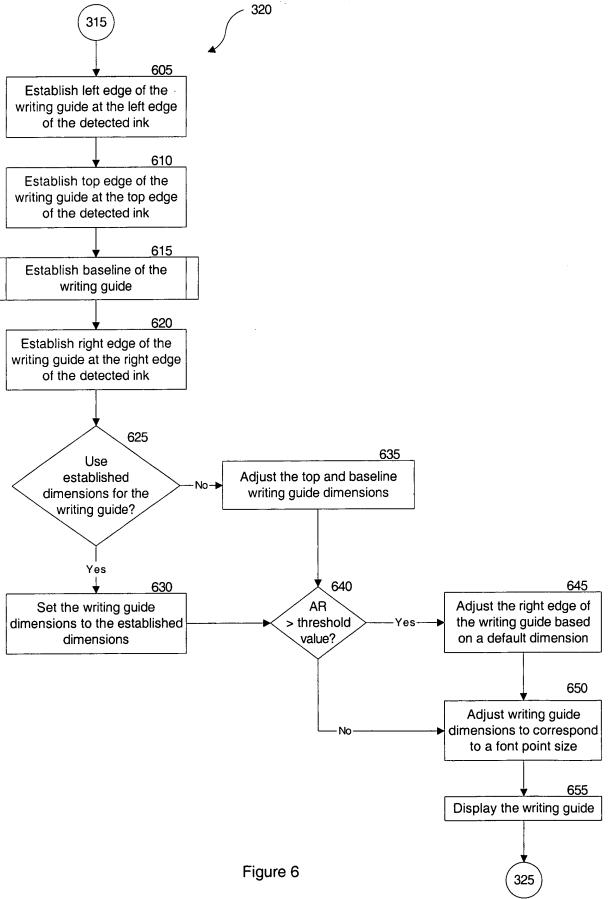


Figure 5

Inventor: Alex Simmons Docket No.: 60001.0311USII/MS302493.1 Title: Writing Guide for a Free-Form Document Editor Serial No.: 10/780,366 Sheet 6 of 29 320 635 writing guide dimensions 645 640 Adjust the right edge of AR the writing guide based > threshold value? on a default dimension 650 Adjust writing guide dimensions to correspond



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700a

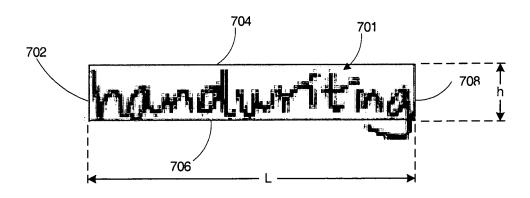


Figure 7A

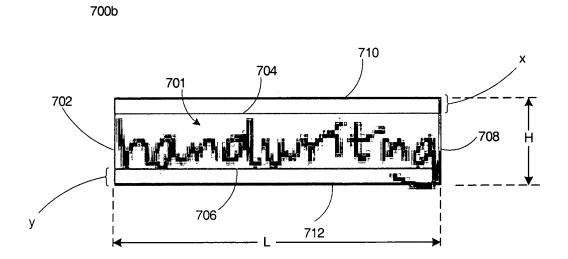


Figure 7B

Title: Writing Guide for a Free-Form Document Editor Serial No.: 10/780,366 Sheet 8 of 29 805 615 Establish horizontal 610 segments for the writing area 808 Set ink threshold for removing segments 810 Detect ink? Yes 815 Measure the amount of ink in each segment 820 Create histogram of the ink detected in each segment 825 Select a segment 830 Ink amount of the segment < threshold? Yes 835 845 Adjacent First or last to a removed Yes segment? segment? No Yes 840 Remove segment Yes 850 Another segment? 855 Figure 8 Set baseline of writing guide based on the lowest remaining segment

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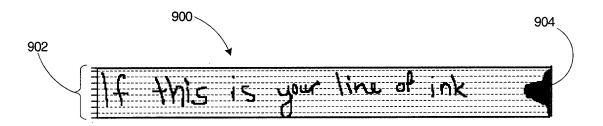


Figure 9

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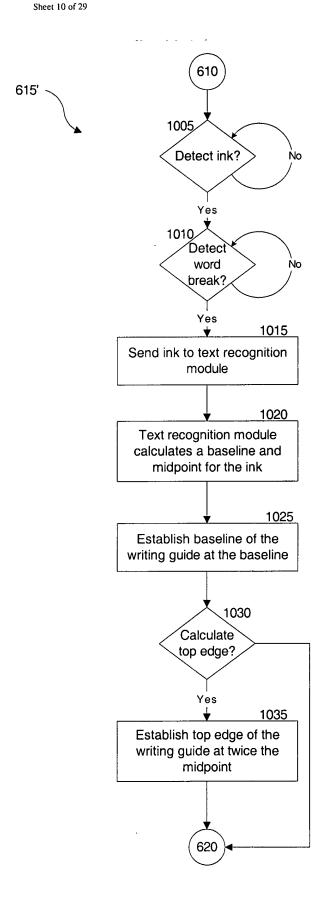


Figure 10

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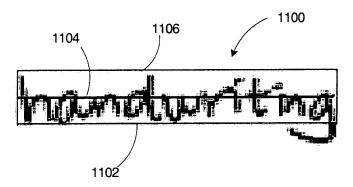


Figure 11

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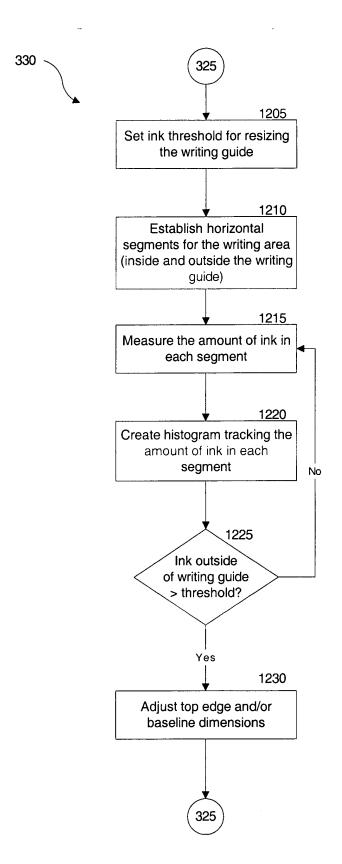
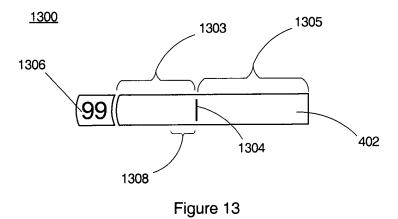
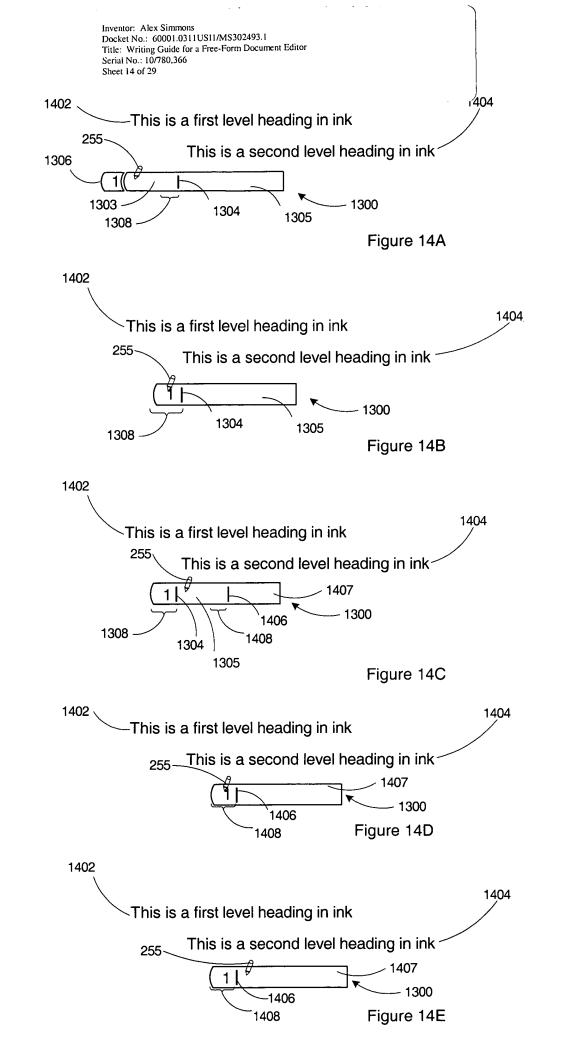


Figure 12

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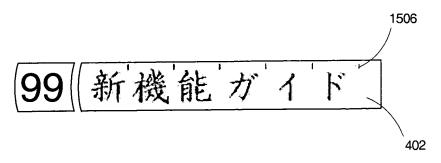


Figure 15

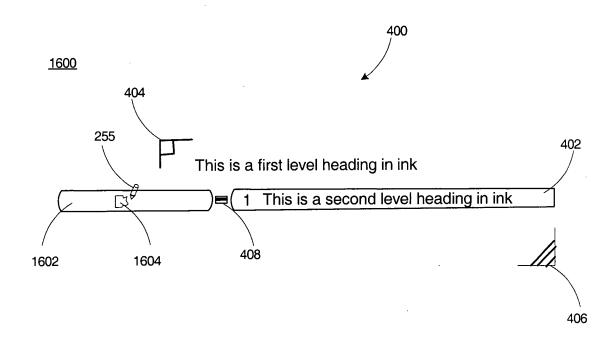


Figure 16

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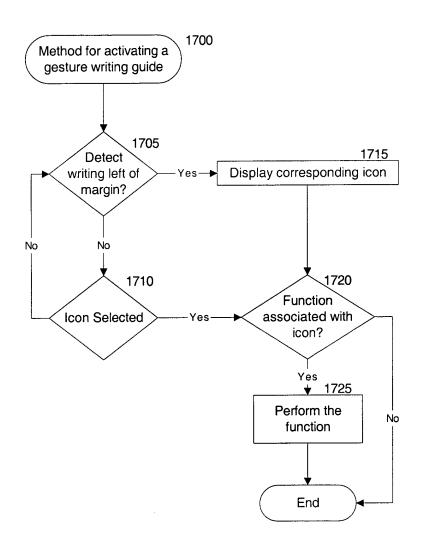


Figure 17

Inventor: Alex Simmons
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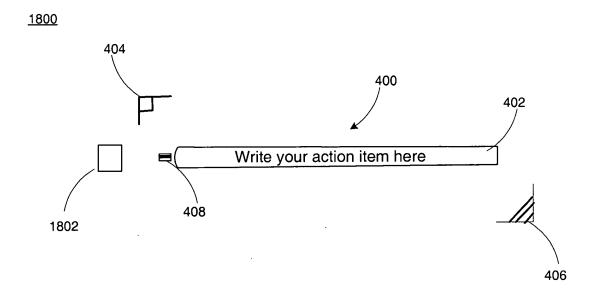


Figure 18

Inventor: Alex Simmons
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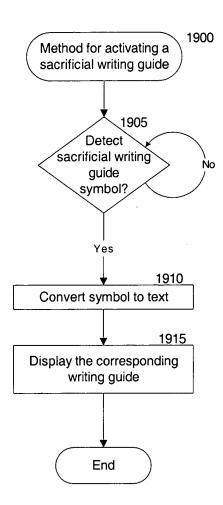


Figure 19

Inventor: Alex Simmons

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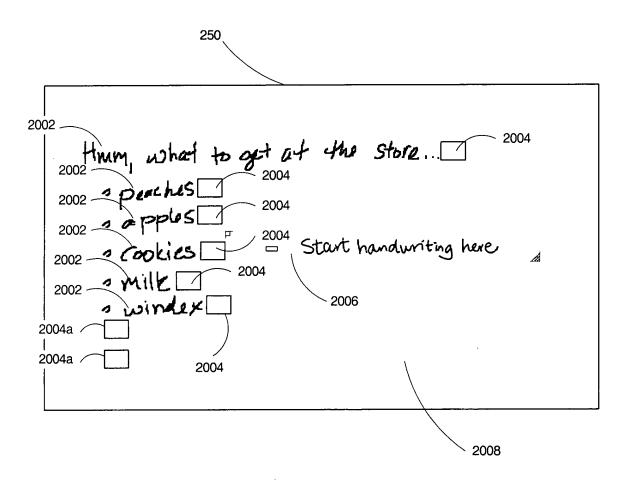


Figure 20

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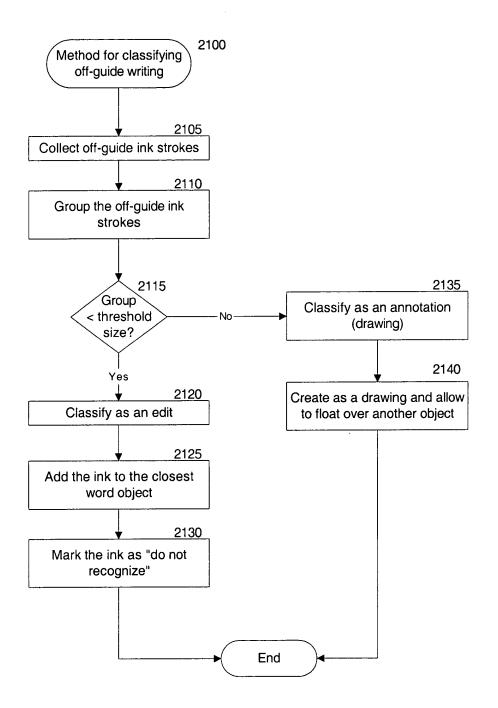


Figure 21

Inventor: Alex Simmons

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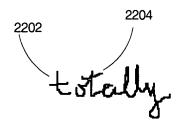


Figure 22A

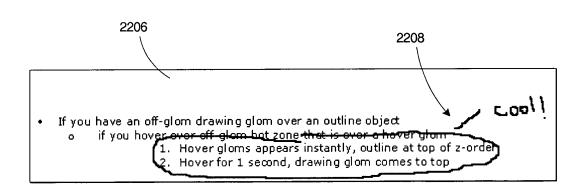


Figure 22B

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## This is a first level heading in ink

This is a second level heading in ink

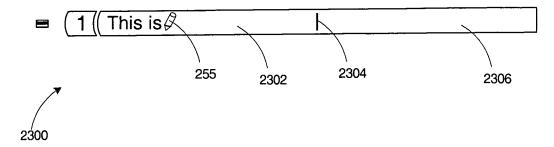


Figure 23A

## This is a first level heading in ink

This is a second level heading in ink

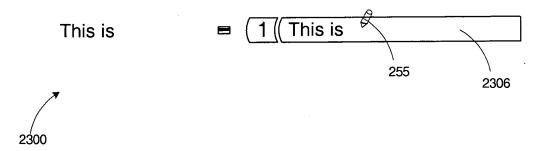


Figure 23B

Inventor: Alex Simmons
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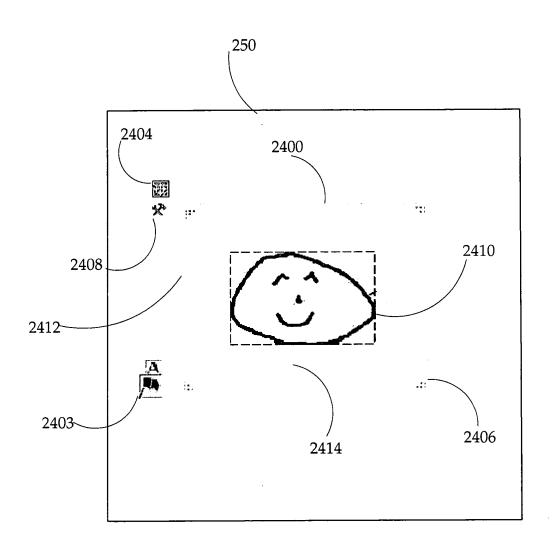


Figure 24

Inventor: Alex Sharmons
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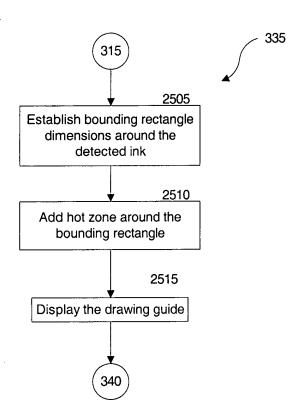


Figure 25

Inventor: Alex Simmons
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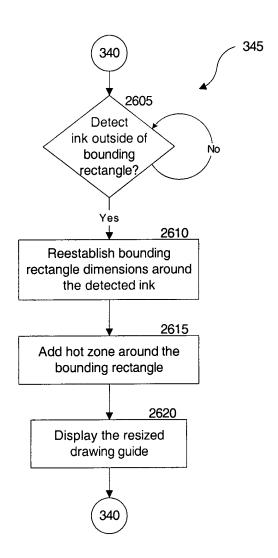


Figure 26

Title: Writing Guide for a Free-Form Document Editor Serial No.: 10/780,366 Sheet 26 of 29 320' 2714 **INDICATE NO** 2702 CREATE & DISPLAY **ACTIVE WRITING** SHADED OUTLINE OBJECT **GUIDE WITH EXTENSIONS** NO 2704 2712 RETURN INSERTION FROM TEXT YES POINT (IP) **MODE?** SELECTION? 2715 2707 NO YES ESTABLISH/ADJUST ACTIVE **POSITION ACTIVE** WRITING GUIDE **WRITING GUIDE DIMENSIONS** AT LAST IP 2708 **DISPLAY ACTIVE WRITING GUIDE AS CURRENT CONTEXT** 2718 2717 *SWITCH*<sup>4</sup> **POSITION IP AT** TO TEXT -YES **END OF ACTIVE** MODE? **WRITING INK** NO

Inventor: Alex Simmons

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Fig. 27

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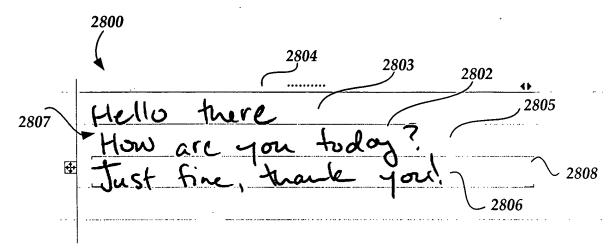
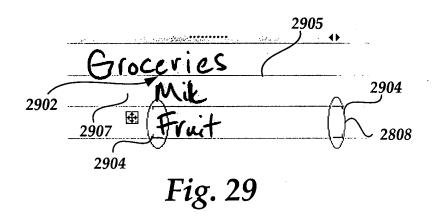


Fig. 28



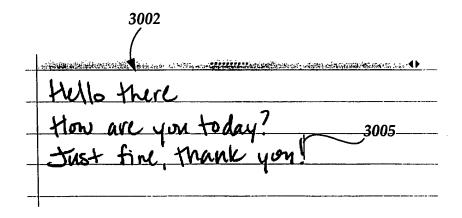


Fig. 30

Inventor: Alex Simmons

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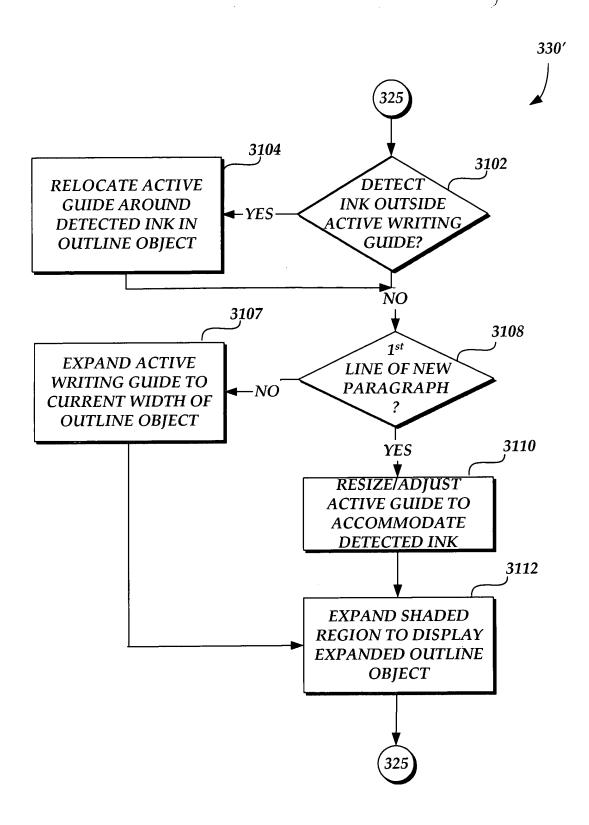


Fig. 31

Inventor: Alex Simmons
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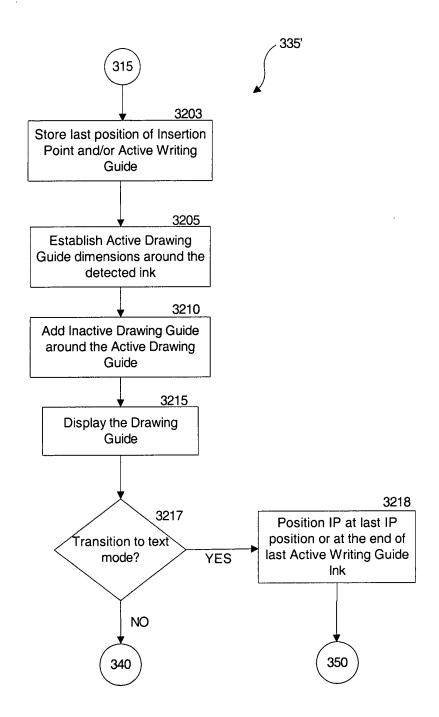


Figure 32